

DOCKET NO.: NG(ST)-6399

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Applicant: Frank Winter, et al.

Serial No.:

Filed:

For: **POLAR AND LINEAR AMPLIFIER SYSTEM**

Art Unit:

Examiner:

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120:

Serial No.: _____
Filing Date: _____

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

- (a) _____ Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.
- (b) _____ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

- (a) _____ Within 3 months of the filing date or date of entry into the National Stage.
- (b) X Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 20-0090 for consideration of this Statement.

(c) _____ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.

(1) _____ The required certification is given below, or

(2) _____ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or

(3) _____ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 20-0090.

(d) _____ After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.

(1) _____ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(i)(1), or

(2) _____ Charge the fee set forth in 37 C.F.R. 1.17(i)(1) to Deposit Account No. 20-0090.

4. Certification (if applicable)

(a) _____ The undersigned hereby certifies that each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.

(b) _____ The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-0090.

Respectfully Submitted,

TAROLLI, SUNDHEIM, COVELL, & TUMMINO LLP

By: Christopher P. Harris
Christopher P. Harris
Reg. No. 43,660

CUSTOMER NUMBER: 26,294

TAROLLI, SUNDHEIM, COVELL & TUMMINO LLP
526 Superior Avenue, Suite 1111
Cleveland, Ohio 44114-1400
(216) 621.2234

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 6-89) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>										ATTY DOCKET NO.: NG(ST)-6399			SERIAL NO.	
										APPLICANT: Frank Winter, et al.				
										FILING DATE:			GROUP:	

U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	6	0	4	3	7	0	7	03/28/00	Budnik			
	6	1	0	1	2	2	4	08/08/00	Lindoff, et al.			
	6	2	5	6	4	8	2	07/03/01	Raab			
	6	4	0	7	6	3	4	06/18/02	Staudinger, et al.			

FOREIGN PATENT DOCUMENTS													
	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
												YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
1	F. Raab, et al., "L-Band Transmitter Using Kahn EER Technique", IEEE Transactions on Microwave Theory and Techniques, vol. 46, no. 12, December 1998, pp. 2220-2225
2	Bernard Sklar, "Digital Communications, Fundamentals and Applications", 2 nd Edition, Prentice Hall, 2001, pgs. 204-205, eq. 4.63
3	Raab, "Intermodulation Distortion In Kahn-Technique Transmitters", IEEE Transactions on Microwave Theory and Techniques, vol. 44, no. 12, December 1996, pp. 2273-2278
4	New U.S. Robinson, et al. patent application entitled "Multi-Mode Multi-Amplifier Architecture", filed June 24, 2003, Attorney Docket No.: NG(ST)-6420
5	New U.S. Robinson, et al. patent application entitled "Multi-Mode Amplifier System", Filed June 24, 2003, Attorney Docket No.: NG(ST)-6447

EXAMINER	DATE CONSIDERED
-----------------	------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent applicants' attorney.
